

RAW SEQUENCE LISTING

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Application Serial Number: 10/560,978
Source: IFWO
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DATE: 09/12/2006

PATENT APPLICATION: US/10/560,978

TIME: 10:49:19

Input Set : A:\281278US0PCT.ST25.txt

Output Set: N:\CRF4\09122006\J560978.raw

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3 <110> APPLICANT: Soto-Jara, Claudio
4   Maundrell, Kinsey
6 <120> TITLE OF INVENTION: USE OF PRION CONVERSION MODULATING AGENTS
8 <130> FILE REFERENCE: 281278US0PCT
10 <140> CURRENT APPLICATION NUMBER: 10/560,978
11 <141> CURRENT FILING DATE: 2005-12-16
13 <150> PRIOR APPLICATION NUMBER: PCT/EP04/51170
14 <151> PRIOR FILING DATE: 2004-06-18
16 <150> PRIOR APPLICATION NUMBER: EP 03101795.7
17 <151> PRIOR FILING DATE: 2003-06-19
19 <160> NUMBER OF SEQ ID NOS: 6
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 4563
25 <212> TYPE: PRT
26 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 1
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34 Leu Leu Leu Leu Leu Leu Ala Gly Ala Arg Ala Glu Glu Glu Met Leu
35          20          25          30
38 Glu Asn Val Ser Leu Val Cys Pro Lys Asp Ala Thr Arg Phe Lys His
39          35          40          45
42 Leu Arg Lys Tyr Thr Tyr Asn Tyr Glu Ala Glu Ser Ser Ser Gly Val
43          50          55          60
46 Pro Gly Thr Ala Asp Ser Arg Ser Ala Thr Arg Ile Asn Cys Lys Val
47 65          70          75          80
50 Glu Leu Glu Val Pro Gln Leu Cys Ser Phe Ile Leu Lys Thr Ser Gln
51          85          90          95
54 Cys Thr Leu Lys Glu Val Tyr Gly Phe Asn Pro Glu Gly Lys Ala Leu
55          100         105         110
58 Leu Lys Lys Thr Lys Asn Ser Glu Glu Phe Ala Ala Ala Met Ser Arg
59          115         120         125
62 Tyr Glu Leu Lys Leu Ala Ile Pro Glu Gly Lys Gln Val Phe Leu Tyr
63          130         135         140
66 Pro Glu Lys Asp Glu Pro Thr Tyr Ile Leu Asn Ile Lys Arg Gly Ile
67 145          150         155         160
70 Ile Ser Ala Leu Leu Val Pro Pro Glu Thr Glu Glu Ala Lys Gln Val
71          165         170         175
74 Leu Phe Leu Asp Thr Val Tyr Gly Asn Cys Ser Thr His Phe Thr Val
75          180         185         190
78 Lys Thr Arg Lys Gly Asn Val Ala Thr Glu Ile Ser Thr Glu Arg Asp
79          195         200         205

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82 Leu Gly Gln Cys Asp Arg Phe Lys Pro Ile Arg Thr Gly Ile Ser Pro
83      210      215      220
86 Leu Ala Leu Ile Lys Gly Met Thr Arg Pro Leu Ser Thr Leu Ile Ser
87 225      230      235      240
90 Ser Ser Gln Ser Cys Gln Tyr Thr Leu Asp Ala Lys Arg Lys His Val
91      245      250      255
94 Ala Glu Ala Ile Cys Lys Glu Gln His Leu Phe Leu Pro Phe Ser Tyr
95      260      265      270
98 Asn Asn Lys Tyr Gly Met Val Ala Gln Val Thr Gln Thr Leu Lys Leu
99      275      280      285
102 Glu Asp Thr Pro Lys Ile Asn Ser Arg Phe Phe Gly Glu Gly Thr Lys
103      290      295      300
106 Lys Met Gly Leu Ala Phe Glu Ser Thr Lys Ser Thr Ser Pro Pro Lys
107 305      310      315      320
110 Gln Ala Glu Ala Val Leu Lys Thr Leu Gln Glu Leu Lys Lys Leu Thr
111      325      330      335
114 Ile Ser Glu Gln Asn Ile Gln Arg Ala Asn Leu Phe Asn Lys Leu Val
115      340      345      350
118 Thr Glu Leu Arg Gly Leu Ser Asp Glu Ala Val Thr Ser Leu Leu Pro
119      355      360      365
122 Gln Leu Ile Glu Val Ser Ser Pro Ile Thr Leu Gln Ala Leu Val Gln
123      370      375      380
126 Cys Gly Gln Pro Gln Cys Ser Thr His Ile Leu Gln Trp Leu Lys Arg
127 385      390      395      400
130 Val His Ala Asn Pro Leu Leu Ile Asp Val Val Thr Tyr Leu Val Ala
131      405      410      415
134 Leu Ile Pro Glu Pro Ser Ala Gln Gln Leu Arg Glu Ile Phe Asn Met
135      420      425      430
138 Ala Arg Asp Gln Arg Ser Arg Ala Thr Leu Tyr Ala Leu Ser His Ala
139      435      440      445
142 Val Asn Asn Tyr His Lys Thr Asn Pro Thr Gly Thr Gln Glu Leu Leu
143      450      455      460
146 Asp Ile Ala Asn Tyr Leu Met Glu Gln Ile Gln Asp Asp Cys Thr Gly
147 465      470      475      480
150 Asp Glu Asp Tyr Thr Tyr Leu Ile Leu Arg Val Ile Gly Asn Met Gly
151      485      490      495
154 Gln Thr Met Glu Gln Leu Thr Pro Glu Leu Lys Ser Ser Ile Leu Lys
155      500      505      510
158 Cys Val Gln Ser Thr Lys Pro Ser Leu Met Ile Gln Lys Ala Ala Ile
159      515      520      525
162 Gln Ala Leu Arg Lys Met Glu Pro Lys Asp Lys Asp Gln Glu Val Leu
163      530      535      540
166 Leu Gln Thr Phe Leu Asp Asp Ala Ser Pro Gly Asp Lys Arg Leu Ala
167 545      550      555      560
170 Ala Tyr Leu Met Leu Met Arg Ser Pro Ser Gln Ala Asp Ile Asn Lys
171      565      570      575
174 Ile Val Gln Ile Leu Pro Trp Glu Gln Asn Glu Gln Val Lys Asn Phe
175      580      585      590
178 Val Ala Ser His Ile Ala Asn Ile Leu Asn Ser Glu Glu Leu Asp Ile

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179		595				600				605						
182	Gln	Asp	Leu	Lys	Lys	Leu	Val	Lys	Glu	Ala	Leu	Lys	Glu	Ser	Gln	Leu
183		610					615					620				
186	Pro	Thr	Val	Met	Asp	Phe	Arg	Lys	Phe	Ser	Arg	Asn	Tyr	Gln	Leu	Tyr
187	625					630					635					640
190	Lys	Ser	Val	Ser	Leu	Pro	Ser	Leu	Asp	Pro	Ala	Ser	Ala	Lys	Ile	Glu
191					645					650					655	
194	Gly	Asn	Leu	Ile	Phe	Asp	Pro	Asn	Asn	Tyr	Leu	Pro	Lys	Glu	Ser	Met
195					660					665				670		
198	Leu	Lys	Thr	Thr	Leu	Thr	Ala	Phe	Gly	Phe	Ala	Ser	Ala	Asp	Leu	Ile
199			675					680					685			
202	Glu	Ile	Gly	Leu	Glu	Gly	Lys	Gly	Phe	Glu	Pro	Thr	Leu	Glu	Ala	Leu
203		690					695					700				
206	Phe	Gly	Lys	Gln	Gly	Phe	Phe	Pro	Asp	Ser	Val	Asn	Lys	Ala	Leu	Tyr
207	705					710					715					720
210	Trp	Val	Asn	Gly	Gln	Val	Pro	Asp	Gly	Val	Ser	Lys	Val	Leu	Val	Asp
211					725					730					735	
214	His	Phe	Gly	Tyr	Thr	Lys	Asp	Asp	Lys	His	Glu	Gln	Asp	Met	Val	Asn
215				740					745					750		
218	Gly	Ile	Met	Leu	Ser	Val	Glu	Lys	Leu	Ile	Lys	Asp	Leu	Lys	Ser	Lys
219			755					760					765			
222	Glu	Val	Pro	Glu	Ala	Arg	Ala	Tyr	Leu	Arg	Ile	Leu	Gly	Glu	Glu	Leu
223		770					775					780				
226	Gly	Phe	Ala	Ser	Leu	His	Asp	Leu	Gln	Leu	Leu	Gly	Lys	Leu	Leu	Leu
227	785					790					795					800
230	Met	Gly	Ala	Arg	Thr	Leu	Gln	Gly	Ile	Pro	Gln	Met	Ile	Gly	Glu	Val
231					805					810					815	
234	Ile	Arg	Lys	Gly	Ser	Lys	Asn	Asp	Phe	Phe	Leu	His	Tyr	Ile	Phe	Met
235				820					825					830		
238	Glu	Asn	Ala	Phe	Glu	Leu	Pro	Thr	Gly	Ala	Gly	Leu	Gln	Leu	Gln	Ile
239			835					840					845			
242	Ser	Ser	Ser	Gly	Val	Ile	Ala	Pro	Gly	Ala	Lys	Ala	Gly	Val	Lys	Leu
243		850					855					860				
246	Glu	Val	Ala	Asn	Met	Gln	Ala	Glu	Leu	Val	Ala	Lys	Pro	Ser	Val	Ser
247	865					870					875					880
250	Val	Glu	Phe	Val	Thr	Asn	Met	Gly	Ile	Ile	Pro	Asp	Phe	Ala	Arg	
251					885					890					895	
254	Ser	Gly	Val	Gln	Met	Asn	Thr	Asn	Phe	Phe	His	Glu	Ser	Gly	Leu	Glu
255				900					905					910		
258	Ala	His	Val	Ala	Leu	Lys	Ala	Gly	Lys	Leu	Lys	Phe	Ile	Ile	Pro	Ser
259			915					920					925			
262	Pro	Lys	Arg	Pro	Val	Lys	Leu	Leu	Ser	Gly	Gly	Asn	Thr	Leu	His	Leu
263		930					935						940			
266	Val	Ser	Thr	Thr	Lys	Thr	Glu	Val	Ile	Pro	Pro	Leu	Ile	Glu	Asn	Arg
267	945					950					955					960
270	Gln	Ser	Trp	Ser	Val	Cys	Lys	Gln	Val	Phe	Pro	Gly	Leu	Asn	Tyr	Cys
271					965					970					975	
274	Thr	Ser	Gly	Ala	Tyr	Ser	Asn	Ala	Ser	Ser	Thr	Asp	Ser	Ala	Ser	Tyr
275				980					985						990	

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278 Tyr Pro Leu Thr Gly Asp Thr Arg Leu Glu Leu Glu Leu Arg Pro Thr
279      995      1000      1005
282 Gly Glu Ile Glu Gln Tyr Ser Val Ser Ala Thr Tyr Glu Leu Gln
283      1010      1015      1020
286 Arg Glu Asp Arg Ala Leu Val Asp Thr Leu Lys Phe Val Thr Gln
287      1025      1030      1035
290 Ala Glu Gly Ala Lys Gln Thr Glu Ala Thr Met Thr Phe Lys Tyr
291      1040      1045      1050
294 Asn Arg Gln Ser Met Thr Leu Ser Ser Glu Val Gln Ile Pro Asp
295      1055      1060      1065
298 Phe Asp Val Asp Leu Gly Thr Ile Leu Arg Val Asn Asp Glu Ser
299      1070      1075      1080
302 Thr Glu Gly Lys Thr Ser Tyr Arg Leu Thr Leu Asp Ile Gln Asn
303      1085      1090      1095
306 Lys Lys Ile Thr Glu Val Ala Leu Met Gly His Leu Ser Cys Asp
307      1100      1105      1110
310 Thr Lys Glu Glu Arg Lys Ile Lys Gly Val Ile Ser Ile Pro Arg
311      1115      1120      1125
314 Leu Gln Ala Glu Ala Arg Ser Glu Ile Leu Ala His Trp Ser Pro
315      1130      1135      1140
318 Ala Lys Leu Leu Leu Gln Met Asp Ser Ser Ala Thr Ala Tyr Gly
319      1145      1150      1155
322 Ser Thr Val Ser Lys Arg Val Ala Trp His Tyr Asp Glu Glu Lys
323      1160      1165      1170
326 Ile Glu Phe Glu Trp Asn Thr Gly Thr Asn Val Asp Thr Lys Lys
327      1175      1180      1185
330 Met Thr Ser Asn Phe Pro Val Asp Leu Ser Asp Tyr Pro Lys Ser
331      1190      1195      1200
334 Leu His Met Tyr Ala Asn Arg Leu Leu Asp His Arg Val Pro Glu
335      1205      1210      1215
338 Thr Asp Met Thr Phe Arg His Val Gly Ser Lys Leu Ile Val Ala
339      1220      1225      1230
342 Met Ser Ser Trp Leu Gln Lys Ala Ser Gly Ser Leu Pro Tyr Thr
343      1235      1240      1245
346 Gln Thr Leu Gln Asp His Leu Asn Ser Leu Lys Glu Phe Asn Leu
347      1250      1255      1260
350 Gln Asn Met Gly Leu Pro Asp Phe His Ile Pro Glu Asn Leu Phe
351      1265      1270      1275
354 Leu Lys Ser Asp Gly Arg Val Lys Tyr Thr Leu Asn Lys Asn Ser
355      1280      1285      1290
358 Leu Lys Ile Glu Ile Pro Leu Pro Phe Gly Gly Lys Ser Ser Arg
359      1295      1300      1305
362 Asp Leu Lys Met Leu Glu Thr Val Arg Thr Pro Ala Leu His Phe
363      1310      1315      1320
366 Lys Ser Val Gly Phe His Leu Pro Ser Arg Glu Phe Gln Val Pro
367      1325      1330      1335
370 Thr Phe Thr Ile Pro Lys Leu Tyr Gln Leu Gln Val Pro Leu Leu
371      1340      1345      1350
374 Gly Val Leu Asp Leu Ser Thr Asn Val Tyr Ser Asn Leu Tyr Asn

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375	1355		1360		1365
378	Trp Ser Ala Ser Tyr Ser Gly Gly Asn Thr Ser Thr Asp His Phe				
379	1370		1375		1380
382	Ser Leu Arg Ala Arg Tyr His Met Lys Ala Asp Ser Val Val Asp				
383	1385		1390		1395
386	Leu Leu Ser Tyr Asn Val Gln Gly Ser Gly Glu Thr Thr Tyr Asp				
387	1400		1405		1410
390	His Lys Asn Thr Phe Thr Leu Ser Cys Asp Gly Ser Leu Arg His				
391	1415		1420		1425
394	Lys Phe Leu Asp Ser Asn Ile Lys Phe Ser His Val Glu Lys Leu				
395	1430		1435		1440
398	Gly Asn Asn Pro Val Ser Lys Gly Leu Leu Ile Phe Asp Ala Ser				
399	1445		1450		1455
402	Ser Ser Trp Gly Pro Gln Met Ser Ala Ser Val His Leu Asp Ser				
403	1460		1465		1470
406	Lys Lys Lys Gln His Leu Phe Val Lys Glu Val Lys Ile Asp Gly				
407	1475		1480		1485
410	Gln Phe Arg Val Ser Ser Phe Tyr Ala Lys Gly Thr Tyr Gly Leu				
411	1490		1495		1500
414	Ser Cys Gln Arg Asp Pro Asn Thr Gly Arg Leu Asn Gly Glu Ser				
415	1505		1510		1515
418	Asn Leu Arg Phe Asn Ser Ser Tyr Leu Gln Gly Thr Asn Gln Ile				
419	1520		1525		1530
422	Thr Gly Arg Tyr Glu Asp Gly Thr Leu Ser Leu Thr Ser Thr Ser				
423	1535		1540		1545
426	Asp Leu Gln Ser Gly Ile Ile Lys Asn Thr Ala Ser Leu Lys Tyr				
427	1550		1555		1560
430	Glu Asn Tyr Glu Leu Thr Leu Lys Ser Asp Thr Asn Gly Lys Tyr				
431	1565		1570		1575
434	Lys Asn Phe Ala Thr Ser Asn Lys Met Asp Met Thr Phe Ser Lys				
435	1580		1585		1590
438	Gln Asn Ala Leu Leu Arg Ser Glu Tyr Gln Ala Asp Tyr Glu Ser				
439	1595		1600		1605
442	Leu Arg Phe Phe Ser Leu Leu Ser Gly Ser Leu Asn Ser His Gly				
443	1610		1615		1620
446	Leu Glu Leu Asn Ala Asp Ile Leu Gly Thr Asp Lys Ile Asn Ser				
447	1625		1630		1635
450	Gly Ala His Lys Ala Thr Leu Arg Ile Gly Gln Asp Gly Ile Ser				
451	1640		1645		1650
454	Thr Ser Ala Thr Thr Asn Leu Lys Cys Ser Leu Leu Val Leu Glu				
455	1655		1660		1665
458	Asn Glu Leu Asn Ala Glu Leu Gly Leu Ser Gly Ala Ser Met Lys				
459	1670		1675		1680
462	Leu Thr Thr Asn Gly Arg Phe Arg Glu His Asn Ala Lys Phe Ser				
463	1685		1690		1695
466	Leu Asp Gly Lys Ala Ala Leu Thr Glu Leu Ser Leu Gly Ser Ala				
467	1700		1705		1710
470	Tyr Gln Ala Met Ile Leu Gly Val Asp Ser Lys Asn Ile Phe Asn				
471	1715		1720		1725

VERIFICATION SUMMARY

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